



TOWN OF BARRINGTON

NEW HAMPSHIRE

Office of the Town Administrator

SUBJECT: Vehicle Fuel Budget Analysis

DATE: Wednesday, October 7, 2020

At the September 22, 2020 Advisory Budget Committee meeting, further analysis of the vehicle fuel budget was requested. Please find an updated recommendation and the analysis below.

Updated Recommendation

Based upon the analysis below, I recommend reducing the vehicle fuel budget request from \$87,500 to \$77,500. The operating budget account number is 01-4194-01-4626. The updated recommendation is based on average fuel use plus 5% and a 12-month average price.

Analysis

The analysis below uses data from the beginning of August 2018 through the end of July 2020.

Data

Gasoline

12-Month (August 2019 through July 2020)

- 19,705.8 Gallons
- \$1.82 per Gallon (average)
- \$35,734.15

24-Month (August 2018 through July 2020)

- 37,296 Gallons
 - 18,648 Gallons (average)
- \$2.05 per Gallon (24-month average)
- \$75,979.48
 - \$37,989.74 (average)

\$1.70 per Gallon (as of 10/1/2020)

Diesel

12-Month (August 2019 through July 2020)

- 17686.5 Gallons
- \$2.10 per Gallon (average)
- \$37,442.06

24-Month (August 2018 through July 2020)

- 37,840 Gallons
 - 18,920 Gallons (average)
- \$2.31 per Gallon (24-month average)
- \$88,053.79
 - \$44,026.90 (average)

\$1.65 per Gallon (as of 9/30/2020)

Budget

The initial budget request was \$87,500, the calculations below show options based on two assumption factors. First is the price assumption, the options provided are budgeting from the current price, the 12-month average price, and the 24-month average price. The second factor provides options for estimating usage. The difference in usage between years is 12% for gasoline and 13.9% for diesel (the increased utilization was in opposite years). The options provided are using a two-year average or an average with a 3%, 5%, or 10% increase.



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Options

- Average Use (no adjustment factor)
 - \$62,916.60 at current price
 - \$73,671.36 at 12-month average price
 - \$81,933.60 at 24-month average price
- Average Use Plus 3%
 - \$64,807.19 at current price
 - \$75,881.50 at 12-month average price
 - \$84,391.61 at 24-month average price
- Average Use Plus 5%
 - \$66,065.58 at current price
 - \$77,354.93 at 12-month average price
 - \$86,030.28 at 24-month average price
- Average Use Plus 10%
 - \$69,211.56 at current price
 - \$81,038.50 at 12-month average price
 - \$90,126.96 at 24-month average price